

Converting Colors

CIELCh(49, 3.507, 109.699)

Have a look what the booklet for
CIELCh(49, 3.507, 109.699) contains.

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Color

CIELCh(49, 3.507, 109.699)

Conversions

Conversions Part 1

Format	Color
Hex	75756F
RGB	117, 117, 111
RGB Percent	46%, 46%, 44%
CMY	0.5419, 0.5419, 0.5654
CMYK	0.00, 0.00, 0.05, 0.54
HSL	60°, 3%, 45%
HSV	60°, 5%, 46%
XYZ	16.5118, 17.5941, 17.5131
YIQ	116.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

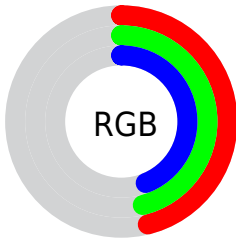
Format	Color
RYB	111, 117, 111
Decimal	7697775
CIELab	49.00, -1.18, 3.30
CIELCh	49, 3.507, 109.699
Yxy	17.5941, 0.3199, 0.3408
Android (android.graphics.Color)	4285887855 (0xFF75756F)
YUV	116.3160, -2.6208, 0.5999
Hunter-Lab	41.9453, -3.1373, 4.6067

Details

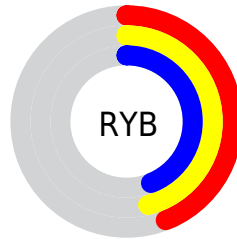
The CIELCh color $49, 3.507, 109.699$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 3.557, 290.689$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 3.278, 109.827$, and $29, 3.842, 109.432$ is the 20% darker color. If you saturate the color by 10%, you get $49, 10.328, 108.803$, and if you desaturate by 10%, it is $49, 3.336, 290.644$.

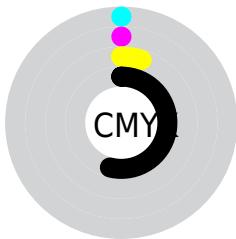
Distribution



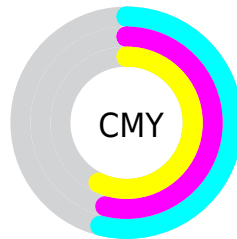
- Red (46%)
- Green (46%)
- Blue (44%)



- Red (44%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (54%)



- Cyan (54%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 3.507, 109.699 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 3.507, 109.699 by changing the saturation by 10% instead.

■ 49, 3.507, 109.699	■ 49, 3.507, 109.699
■ 100, 3.507, 109.699	■ 39, 3.507, 109.699
■ 69, 3.507, 109.699	■ 29, 3.507, 109.699
■ 79, 3.507, 109.699	■ 19, 3.507, 109.699
■ 89, 3.507, 109.699	■ 9, 3.507, 109.699
■ 99, 3.507, 109.699	■ 0, 3.507, 109.699

■ 49, 3.507, 109.699	■ 49, 3.507, 109.699
■ 49, 10.328, 108.803	■ 49, 3.336, 290.644
■ 48, 17.086,	■ 50, 10.182, 291.516

107.882

■ 50, 17.013,
292.365

■ 48, 23.730,
106.970

■ 51, 23.815,
293.182

■ 48, 30.177,
106.085

■ 51, 30.581,
293.961

■ 48, 36.303,
105.251

■ 52, 37.302,
294.701

■ 48, 41.924,
104.497

■ 52, 43.972,
295.401

■ 48, 46.793,
103.855

■ 53, 50.587,
296.062

■ 48, 50.614,
103.360

■ 53, 57.141,
296.682

■ 48, 53.243,
103.026

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 3.507, 109.699



47, 3.557, 290.689

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 3.507, 109.699



49, 3.507, 159.699



49, 3.507, 289.699



49, 3.507, 339.699

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 3.508, 109.714



63, 1.699, 109.977



47, 2.466, 19.552



32, 0.960, 109.989



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 3.508, 109.714



63, 5.112, 109.623



49, 3.733, 128.877



25, 2.700, 109.608



50, 56.293, 102.875



95, 95.438, 102.877

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47, 3.557, 290.689



60, 5.190, 290.788



47, 3.768, 309.261



23, 2.742, 290.805



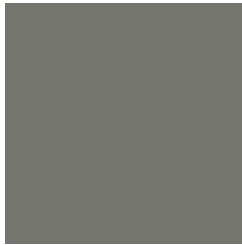
12, 77.728, 306.289



32, 131.781, 306.288

Previews

White Background



This preview shows how the CIELCh color 49, 3.507, 109.699 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 3.507, 109.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

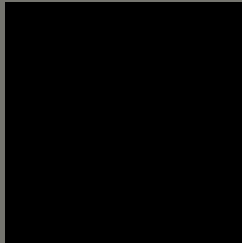
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

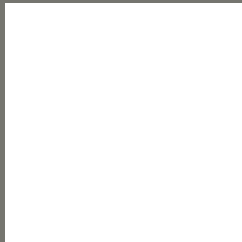
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 3.507, 109.699

Background



This preview shows how black text looks on a background with the CIELCh color 49, 3.507, 109.699.

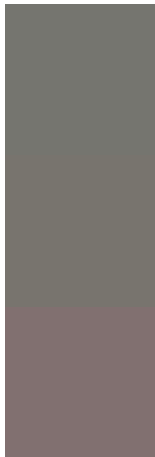


This preview shows how white text looks on a background with the CIELCh color 49, 3.507, 109.699.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


49, 3.507, 109.699

Protanopia

49, 3.869, 84.366

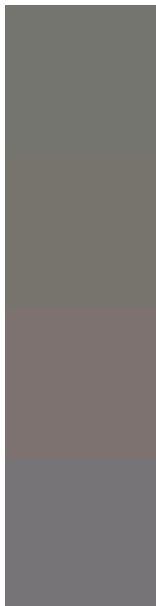
Deuteranopia

49, 7.076, 20.189



Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color
49, 3.507, 109.699

Protanomaly
49, 3.713, 90.191

Deuteranomaly
49, 4.700, 34.216

Tritanomaly
49, 1.950, 314.708

Monochromacy



Original Color
49, 3.507, 109.699

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.167, 109.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 3.507, 109.699 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 117, 111)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 117, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 3.507, 109.699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 117, 111) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 117, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 117, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 111);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 3.507, 109.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
117, 111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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